

METHOD AND APPARATUS FOR REDUCING ACCESS DELAY IN  
DISCONTINUOUS TRANSMISSION PACKET TELEPHONY SYSTEMS

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ABSTRACT

Speech at the beginning of a talkspurt in a discontinuous transmission  
(DTX) packet telephony system is speeded up to help make up for an access  
10 delay incurred during channel allocation. Incoming speech frames are  
buffered, a pitch period for a current portion of the signal is estimated, and  
then a pitch period's worth of the signal is cut from that portion. This is  
continued until the original access delay, as estimated from the time lag  
between the commencement of voice input for the talkspurt, and notification  
15 that a channel is available, is eliminated. The remainder of the talkspurt is  
then transmitted without such compression.